ORDER FULFILLMENT SYSTEMS



Honeywell Intelligrated®

HONEYWELL INTELLIGRATED ORDER FULFILLMENT SYSTEMS

SOFTWARE INTELLIGENCE THAT DELIVERS

Honeywell Intelligrated draws on decades of experience and hundreds of installations to provide best-fit solutions designed to deliver maximum throughput and accuracy for fulfillment operations. Tailored to any market or application, Honeywell Intelligrated offers systems from basic flow rack picking to the most modern technologies capable of fulfilling hundreds of thousands of orders per day. Honeywell Intelligrated backs each installation with comprehensive lifecycle support to ensure maximum uptime and return on investment.





A SINGLE-SOURCE SOLUTION

Honeywell Intelligrated offers a unique combination of extensive integration experience and a broad solution lineup to optimize each part of the order fulfillment process.

Through an ideal mix of work or process flow, picking technologies and software, Honeywell Intelligrated helps maximize labor productivity and order accuracy to meet promised service levels and increase customer satisfaction.

Efficient, integrated systems reduce returns, shipping and labor costs, and leverage advanced software to provide real-time visibility into fulfillment processes through dashboards, mobile mentoring and reporting.

Industries Served:

- Retail
- E-commerce
- Wholesale
- Food
- Beverage
- Consumer packaged goods
- Pharmaceutical and medical supply
- Post and parcel
- Third party logistics





A SOLUTION FOR EVERY FULFILLMENT APPLICATION

Honeywell Intelligrated's extensive range of order fulfillment systems leverages automated equipment, picking technologies and processes to provide scalable, flexible solutions that drive maximum throughput and order accuracy for all workflows and product applications.

E-commerce – Manage constant streams of orders for maximum accuracy and efficiency to meet aggressive delivery goals, promised service levels and effectively handle returns

Store replenishment – Leverage real-time view of orders and inventory to route product from storage or across the dock directly to put modules and out to stores

Retail – Optimize fulfillment of recurring shipments, special orders and aisle-ready container deliveries to keep store shelves stocked

Omnichannel – Maximize inventory utilization to flexibly fulfill direct-to-consumer pieces and bulk store replenishment orders

Manufacturing – Efficiently stage manufactured products for just-in-time delivery requirements

Route distribution – Leverage labor, picking technologies and automation to sequence orders and truck loading in reverse for optimized delivery efficiency

PICK AND PUT TECHNOLOGY

> "The new system from Honeywell Intelligrated really cut down cycle time. We can drop an order down to the floor, have it processed and into the truck in minutes."
>
> – Brad Taylor,
> Director of Engineering and Facilities, Chico's

PICK- AND PUT-TO-LIGHT SYSTEMS

Pick- and put-to-light systems from Honeywell Intelligrated provide paperless, light-directed fulfillment with easy-to-read lights and displays for improved productivity, speed and accuracy.

The scalable, easy-to-use systems include tray designs to accurately handle a wide variety of product sizes and shapes, built-in diagnostics for easy troubleshooting and require minimal order filler training while increasing picking and putting accuracy in high-velocity, high-SKU omnichannel and e-commerce fulfillment environments.

- **xD™ and xL™** – End-to-end shelf coverage, dynamic slotting and dual shelf configuration capability enable increased pick face density and flexible store, SKU and order filler assignments
- **cL™** – Multi-colored devices enable concurrent activity in shared zones, and software features provide planning, management and reporting to optimize picking



VOICE PICKING

Honeywell Voice enables hands-free, directed work to accelerate training and facilitate the efficient execution of a variety of tasks throughout the warehouse. The system increases productivity up to 35 percent and can yield up to 50 percent improvement in accuracy while reducing training time, turnover and safety incidents across a range of mobility tasks, including direct-to-consumer fulfillment, retail replenishment and omnichannel fulfillment.

- Easiest training and support designed to expedite user acceptance and increase labor flexibility
- Future-proof adaptability and scalability for a variety of fulfillment workflows
- Most advanced speech recognition technology for optimized productivity
- Seamless integration with Honeywell Intelligrated warehouse execution system or existing software systems









PUT WALL SYSTEMS

Put wall systems enable goods-to-operator fulfillment, ideal for retailers and wholesalers running store replenishment, e-commerce or omnichannel operations.

- Ideal for multi-line orders with regular promotions, flash sales or seasonal specials
- Enables efficient multichannel fulfillment of both mixed- and single-SKU orders
- Software enables intelligent order batching, adjustments and order allocation among wave, pick and put
- Slotting logic ensures “golden zone” efficiency



RF HANDHELD AND MOBILE DEVICES

Ideal for lower-velocity SKUs, radio frequency (RF) technology from Honeywell Intelligrated guides pickers through the fulfillment process for 99.9 percent accuracy and 10 to 15 percent productivity gains over manual processes.

- Compatible with a variety of handheld devices from Zebra/Motorola and Honeywell
- Suitable to virtually every fulfillment process flow: receiving, put-away, replenishment, picking (i.e., each picking, batch picking, cart picking, etc.) packing and quality

MOBILE CART PICKING SYSTEMS

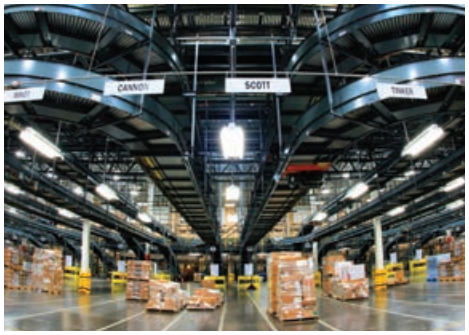
GoKart™ mobile picking carts provide a proven fulfillment solution for low-velocity items and distant break-pack picking areas. Combines advanced pick-to-light components, voice automation and RF scanners in a mobile picking system.

- Pick multiple and single line orders simultaneously
- Wireless RF data communication and onboard power provide real-time direction of order filler activity
- Advanced mobility and go-anywhere flexibility

WAREHOUSE EXECUTION SYSTEMS

Honeywell Intelligrated's Momentum™ warehouse execution system (WES) acts as the operational brain of the warehouse, delivering real-time responsiveness through automated decisions based on constant analyses of orders, inventory, labor, processes and equipment information.

- Shared inventory for streamlined order planning and fulfillment execution
- Orchestration of MHE and holistic control of automated material handling equipment for reduced labor requirements and improved material flow
- Minimal software integration points for improved solution stability
- Modular design adapts to ever-changing business needs

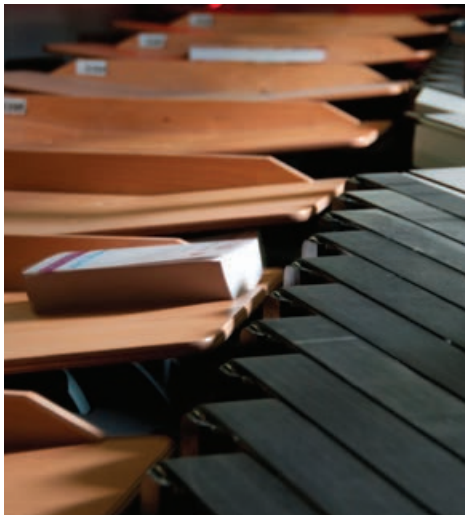




AS/RS SOLUTIONS

Flexible and efficient automated storage and retrieval systems from Honeywell Intelligrated provide quick access to products for a variety of fulfillment applications, ideal for operations with high-turn inventory storage and short order cycle times.

- Range of load handlers to accommodate the widest variety of tote types and carton sizes
- Storage labor and footprint requirements
- Suitable for goods-to-operator fulfillment, just-in-time inventory management, product sequencing and buffering



UNIT SORTATION SYSTEMS

Designed to handle ultra-light, irregularly shaped and polybagged items, Honeywell Intelligrated sortation systems enable enhanced product flow and accurate, on-time shipments and returns processing. The systems ensure the highest throughput at minimum speeds, providing years of reliable, low-maintenance operation.

- Tilt-tray
- Cross-belt
- Sliding shoe

> **"Honeywell Intelligrated provided us with a unique solution to fit our needs. Thanks to their system, our productivity dramatically increased and we were able to reduce our operational costs as a result."**
>
> **– Pedro Carreras,**
> **Associate VP of Distribution for the Americas, Luxottica**

For more information on Honeywell Intelligrated order fulfillment systems, visit **sps.honeywell.com.**



SOLUTIONS OVERVIEW

Intelligent automated material handling solutions from Honeywell Intelligrated optimize processes, increase efficiency, and give businesses a competitive edge. Honeywell Intelligrated designs, manufactures, integrates and installs complete warehouse automation and software solutions, including:

- Automated storage and retrieval solutions (AS/RS)
- Conveyor and pallet conveyor systems
- Fulfillment technologies
- Honeywell Robotics
- Labor management software
- Lifecycle Support Services
- Machine controls
- Palletizing and depalletizing
- Sortation systems
- Voice solutions
- Warehouse execution systems

LIFECYCLE SUPPORT SERVICES

Lifecycle Support Services employs a consultative, data-driven approach to achieve your critical business outcomes. By delivering proactive, value-added services and solutions, we can help you to reduce the risk of downtime and increase system availability, longevity and dependability. Drawing from a full spectrum of strategic services, we offer multiple engagement models, tailored to your business, culture and strategy. Our comprehensive portfolio constitutes the key building blocks of a successful lifecycle asset management plan. By conducting assessments of both your equipment condition and operational efficiency, we can determine how to optimize your operations with:

- Engineered Solutions
- Technical Services
- Contract Services
- Training
- Honeywell Intelligrated Spare Parts

THE CONNECTED DISTRIBUTION CENTER

The pace of change in modern commerce is putting tremendous pressure on fulfillment operations. To stay competitive and protect profits, companies need solutions that help them achieve maximum throughput, day-to-day flexibility, future-proof scalability and intelligence to make informed decisions.

The Connected Distribution Center helps companies make the digital transformation necessary to increase reliability, improve utilization and maximize productivity through:

- Intelligent, data-driven, high-speed execution
- Automated, adaptable processes for machines and workers
- Optimized utilization with the ability to seamlessly adapt and expand
- Insights and predictive analytics, from sensors to the cloud

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